PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Form PCT/IPEA/416						
WY/sd 030346WO	FOR FURTHER ACTION See Form PCT/IPEA/416							
-International-application-No.	International filing date (day/mont)	/year) Priority date (day/month/year)						
PCT/IB2003/002176	10-06-2003							
International Patent Classification (IPC) o	r national classification and IPC							
H04Q 7/32, G01S 5/14								
Applicant		· · · · · · · · · · · · · · · · · · ·						
Nokia Corporation et al								
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This REPORT consists of a total of 4 sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, comprising:								
a (sent to the applicant and to the International Bureau) a total of sheets, as follows:								
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes								
beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the								
Supplemental Box.								
b (sent to the Internatio		type and number of electronic carrier(s))						
form only as indicate		ice listing and/or tables related thereto, in electronic to Sequence Listing (see Section 802 of the						
Administrative Instru		to sequence mixing (see section out of the						
4. This report contains indications re	lating to the following items:							
Box No. I Basis of	the report							
Box No. II Priority								
Box No. III Non-est	ablishment of opinion with regard to	novelty, inventive step and industrial applicability						
Box No. IV Lack of	unity of invention							
applicat	applicability; citations and explanations supporting such statement							
	Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application								
Date of submission of the demand	Date of co	empletion of this report						
Date of shorthisten of the defining	Date of G	impletion of this report						
23-12-2004		12-09-2005						
Name and mailing address of the IPEA/SE		d officer						
Patent- och registreringsverket	Audionze	a omeo						
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Form PCT/IPEA/409 (cover sheet) (April 2005)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/IB2003/002176

Box	No. I	Basis of the report				
1.	With 1	regard to the language, this report is based on:				
j	\boxtimes	the international application in the language in which it was filed				
		a translation of the international application into				
	which is the language of a translation furnished for the purposes of: international search (Rules 12.3(a) and 23.1(b))					
		publication of the international application (Rule 12.4(a))				
l		international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
2.	furnisi	regard to the elements of the international application, this report is based on (replacement sheets which have been hed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" re not annexed to this report):				
	\boxtimes	the international application as originally filed/furnished				
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		pages* received by this Authority on				
		the claims:				
		pages as originally filed/furnished				
		pages* as amended (together with any statement) under Article 19				
		pages* received by this Authority on pages* received by this Authority on				
		the drawings:				
	LI					
		pages as originally filed/furnished pages* received by this Authority on				
		pages* received by this Authority on				
İ		a sequence listing and/or any related table(s) see Supplemental Box Relating to Sequence Listing.				
3.		The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).				
		the description, pages				
		the claims, Nos.				
ŀ		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
*	If item	4 applies, some or all of those sheets may be marked "superseded."				

International application No.

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Во	x No. V	Reasoned statement u citations and explanat		35(2) with regard to novelty, inventive ste ng such statement	p or industrial applicability;
1.	Statement				
	Novel	ty (N)	Claims Claims	1-18	YES NO
	Inven	tive step (IS)	Claims Claims	1-18	YES NO
	Indust	trial applicability (IA)	Claims Claims	1-18	YES NO

2. Citations and explanations (Rule 70.7)

The invention concerns a method and a device for exchanging signals in a transceiver operating in a first frequency band and for receiving signals in a receiver operating in a second frequency band.

The object of the invention is to improve the performance of the receiver in spite of experienced interference.

Cited documents:

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- D1. WO 01 06669 A D2. US 6 278 723 B1
- Document D1 is considered to represent the closest prior art. D1 describes a method and a system for maintaining operation of a receiver (42) co-located with a transceiver (44). The timing pattern during which the transceiver is transmitting is determined. The receiver is desensitized during the determined timing pattern in order to avoid the interference generated by the transceiver (See page 2, line 3-page 4, line 25, page 5, line 29-page 6, line 26; page 7, line 5-page 10, line 16, page 10, line 26-page 11, line 15; page 12, line 4-16).

D2 describes a method for minimizing the probability of selfinterference among neighbouring wireless networks. A master transceiver (102) of a first wireless network is adapted to monitor neighbouring wireless networks to discover a strongest interfering master transceiver in one of the neighbouring networks. The first master transceiver then time-aligns hop intervals of the first master transceiver with the hop intervals of the strongest interfering master transceiver to reduce interference between the two transceivers (See abstract; column 1, line 1-column 3, line 36).

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box $\,V\,$

In the international search report the two cited documents were referred to as obstacles against inventiveness. After a reconsideration it is our opinion that none of the documents do teach of a device or a method in which signals which reach a receiver are being manipulated on the basis of a determined timing pattern. As a consequence, none of the documents do describe a method or a device dealing with the problem of reducing performance degradation by way of determining a timing pattern.

Consequently, the invention as described in claims 1-18 as originally filed is novel, involve an inventive step and is industrially applicable.